

10/563235

IAP15 Rec'd PCT/PTO 03 JAN 2006

172A 3805 PCT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

JUN WATANABE

International Application No.: PCT/JP2004/009413

International Filing Date: July 2, 2004

For: QUARTZ PRESSURE SENSOR AND
MANUFACTURING METHOD THEREOF

Art Unit: --

Examiner: --

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR 1.97(b)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97(b) and 1.98, Applicant for the above-identified application hereby submits legible copies of the following relevant art along with the Form PTO-1449 which contains the information required by 37 CFR 1.98(b):

A. Japanese Patent Application Laid-Open (Kokai) No. 5-26132 published by the Japanese Patent Office on April 15, 1993;

B. Japanese Patent Application Laid-Open (Kokai) No. 2001-174357 published by the Japanese Patent Office on June 29, 2001;

C. Satoshi Yamamoto et al., "Touch Mode Capacitive Pressure Sensor for Passive Tire Monitoring System", IEEJ Trans. SM, Vol. 123, No. 1, 2003 (Transaction of the Institute of Electrical Engineers of Japan).

D. Japanese Utility Model Application Laid-Open (Kokai) No. 59-095434 published by the Japanese Patent Office on June 1, 1984; and

E. Japanese Utility Model Application Laid-Open (Kokai) No. 63-175833 published by the Japanese Patent Office on November 15, 1988.

The prior art A is cited in the International Search Report issued on August 3, 2004 to

the PCT/JP2004/009413 upon which the above-identified U.S. application is filed. A copy of the Search Report is enclosed.

The prior art A is not in the English language, but the Search Report is written in English and the degree of relevance is indicated therein by way of the markings of X's along with the explanation of such markings. Accordingly, pursuant to MPEP Section 609, the requirement for a concise explanation of relevance for the non-English language prior art is satisfied and an English concise explanation thereof is omitted herein.

The English translation of the above-listed relevant art B and C is not available at this time to the undersigned, and such a translation is not attached hereto. Though prior art B and C are not in the English language, the concise explanation of relevance of these prior art B and C is incorporated in the specification pursuant to 37 CFR 1.98(a)(3).

The prior art D is in Japanese, and the English translation of this prior art is not available at this time to the undersigned. However, an English language abstract is attached to this prior art D. Accordingly, pursuant to MPEP Section 609, the requirement for a concise explanation of the relevance is satisfied, and an English concise explanation of the prior art D is omitted herein.

Since prior art E is not in English and no English translation or English language abstract is available at this time to the undersigned, a concise explanation of the relevance of this prior art E is presented below pursuant to 37 CFR 1.1.98(a)(3):

The prior art E discloses a pressure sensor comprised of a quartz substrate and a quartz thin plate with a doughnut-shape quartz body in between. The opposing surfaces of the quartz substrate and quartz thin plate, which are defined by the inside space of the doughnut-shape quartz body, are respectively provided with an electrode; and the quartz thin plate and the doughnut-shape quartz body can be formed into an integrated single body.

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It is, therefore, respectfully requested that the Patent Office make a record of these relevant arts and consider them during the prosecution.

Respectfully submitted,

Date: January 3, 2006

By: 

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FORM PTO-1449			Docket Number (Optional) 172A 3805 PCT		Application Number 10/563235	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION			Applicant June Watanabe			
(Use several sheets if necessary)			Filing Date ---		Group Art Unit ---	
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION (YES/NO)
	JP 5-26132	4/15/1993	Japan			No
	JP 2001-174357	6/29/2001	Japan			No
	JP 59-095434	6/1/1984	Japan			No
	JP 63-175833	11/15/1988	Japan			No
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)						
	Satoshi Yamamoto et al., "Touch Mode Capacitive Pressure Sensor for Passive Tire Monitoring System", IEEJ Trans. SM, Vol. 123, No. 1, 2003 (Transaction of the Institute of Electrical Engineers of Japan).					
EXAMINER		DATE CONSIDERED				
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.						